

WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)[Cases](#)**Search Results -**

Terms	Documents
L9 and quer\$3	3

Database:

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L11

[Refine Search](#)[Recall Text](#)[Clear](#)**Search History****DATE:** Tuesday, September 30, 2003 [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L11</u>	L9 and quer\$3	3	<u>L11</u>
<u>L10</u>	L9 not L5	0	<u>L10</u>
<u>L9</u>	L8 and matri\$	3	<u>L9</u>
<u>L8</u>	L7 and (group\$ near cluster\$)	3	<u>L8</u>
<u>L7</u>	L1 and (cluster\$ same document\$2 same keyword\$2)	8	<u>L7</u>
<u>L6</u>	L5 and quer\$3	4	<u>L6</u>
<u>L5</u>	L4 and matri\$	4	<u>L5</u>
<u>L4</u>	L3 and (group\$ near cluster\$)	4	<u>L4</u>
<u>L3</u>	L2 and keyword\$2	13	<u>L3</u>
<u>L2</u>	L1 and (cluster\$ same document\$2)	17	<u>L2</u>
	(6233575 6167397 5924105 6122647 6226645 6226645 6041355		
	6128613 5778367 5905862 6178419 5873077 6101503 5761418		
	5999940 6041326 6128624 6151584 6151601 5933822 6055538		
<u>L1</u>	6094650 6564202 6567797 6598054 6189002 5987457 6278992	93	<u>L1</u>
	6397219 6442606 6466940 6292830 5864863 6021409 6070157		
	6078917 6125361 6199067 6353825 6463430 6363377 6219818		
	6219818 5898836 5847708 5963949 6073170 6098081 5826258		
	5848410).pn.		

END OF SEARCH HISTORY

WEST

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Search Results -

Terms	Documents
L5 and (group\$ near cluster\$)	12

Database:

US Patents Full-Text Database
 US Pre-Grant Publication Full-Text Database
 JPO Abstracts Database
 EPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L6

Refine Search

Recall Text

Clear

Search HistoryDATE: Tuesday, September 30, 2003 [Printable Copy](#) [Create Case](#)Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L6</u>	L5 and (group\$ near cluster\$)	12	<u>L6</u>
<u>L5</u>	L4 and keyword\$2	214	<u>L5</u>
<u>L4</u>	L3 and (L1 or L2)	774	<u>L4</u>
<u>L3</u>	(cluster\$3 or group\$ or categoriz\$) same (document\$2 or text\$)	54731	<u>L3</u>
<u>L2</u>	((715/530 715/531 715/532)!.CCLS.)	1325	<u>L2</u>
<u>L1</u>	((715/513)!.CCLS.)	1094	<u>L1</u>

END OF SEARCH HISTORY

09920732_CLS

**Most Frequently Occurring Classifications of Patents Returned
From A Search of 09920732 on September 30, 2003**

Original Classifications

7 707/10
5 707/3
4 707/5
3 707/103R
3 707/4
3 707/6
2 707/1
2 707/102
2 707/104.1
2 707/2
2 709/218
2 709/224
2 714/799
2 715/513

Cross-Reference Classifications

17 707/3
12 707/5
11 707/10
10 707/104.1
8 707/4
7 707/2
6 707/1
6 707/102
6 709/218
6 715/513
5 709/203
5 709/217
4 707/100
3 707/201
3 707/6
2 704/9
2 707/200
2 707/7
2 707/9
2 709/219
2 709/224
2 709/245

09920732_CLS

2 709/246
2 714/48
2 714/57

Combined Classifications

22 707/3
18 707/10
16 707/5
12 707/104.1
11 707/4
9 707/2
8 707/1
8 707/102
8 709/218
8 715/513
6 707/6
5 707/100
5 709/203
5 709/217
4 707/103R
4 709/224
3 707/201
3 707/7
2 704/9
2 705/10
2 707/200
2 707/9
2 709/202
2 709/219
2 709/245
2 709/246
2 714/48
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2 714/799

WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)[Cases](#)**Search Results -**

Terms	Documents
L1 and (build\$3 near dictionar\$3)	0

Database:

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L12

[Refine Search](#)[Recall Text](#)[Clear](#)**Search History****DATE:** Tuesday, September 30, 2003 [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L12</u>	L1 and (build\$3 near dictionar\$3)	0	<u>L12</u>
<u>L11</u>	L9 and quer\$3	3	<u>L11</u>
<u>L10</u>	L9 not L5	0	<u>L10</u>
<u>L9</u>	L8 and matri\$	3	<u>L9</u>
<u>L8</u>	L7 and (group\$ near cluster\$)	3	<u>L8</u>
<u>L7</u>	L1 and (cluster\$ same document\$2 same keyword\$2)	8	<u>L7</u>
<u>L6</u>	L5 and quer\$3	4	<u>L6</u>
<u>L5</u>	L4 and matri\$	4	<u>L5</u>
<u>L4</u>	L3 and (group\$ near cluster\$)	4	<u>L4</u>
<u>L3</u>	L2 and keyword\$2	13	<u>L3</u>
<u>L2</u>	L1 and (cluster\$ same document\$2)	17	<u>L2</u>
	(6233575 6167397 5924105 6122647 6226645 6226645 6041355		
	6128613 5778367 5905862 6178419 5873077 6101503 5761418		
	5999940 6041326 6128624 6151584 6151601 5933822 6055538		
<u>L1</u>	6094650 6564202 6567797 6598054 6189002 5987457 6278992	93	<u>L1</u>
	6397219 6442606 6466940 6292830 5864863 6021409 6070157		
	6078917 6125361 6199067 6353825 6463430 6363377 6219818		
	6219818 5898836 5847708 5963949 6073170 6098081 5826258		
	5848410).pn.		

END OF SEARCH HISTORY

Set	Items	Description
S1	762405	TEXT? OR DOCUMENTS? OR RETRIEVAL? OR RESULTS?
S2	2820060	CLUSTER? OR GROUP? OR ARRANGE? OR DIVIDE? OR ORGANIZE?
S3	1203513	KEYWORD? OR TERM? OR WORD? OR PHRASE?
S4	1652359	SAME? OR IDENTICAL? OR MATCHING? OR EQUIVALENT?
S5	2096	S1 AND S2 AND S3 AND S4
S6	33862	S2(2N)S3
S7	663	S6(3N)S4
S8	46	S1 AND S7
S9	25	S8 AND IC=(G06F? OR H04L?)
S10	23	S9 NOT AD>20011004
S11	39	S1 AND S2(5N)S3 AND S3(5N)S4 AND (RETRIV? OR QUER? OR SEA- RCH? OR SEEK? OR FIND? OR LOCAT?)
S12	34	S11 NOT S8
S13	30	S12 AND IC=(G06F? OR H04L?)

File 347:JAPIO Oct 1976-2003/May(Updated 030902)
(c) 2003 JPO & JAPIO

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200356
(c) 2003 Thomson Derwent

13/5/13 (Item 8 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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013576260

WPI Acc No: 2001-060467/200107

XRPX Acc No: N01-045265

Method for sorting/ searching /abstracting documents

Patent Assignee: CAI CO LTD (CAIC-N); CAI KK (CAIC-N); RYU T (RYUT-I)

Inventor: RYU T

Number of Countries: 023 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200055765	A1	20000921	WO 2000JP1340	A	20000306	200107 B
JP 2000605923	X	20020702	JP 2000605923	A	20000306	200248
			WO 2000JP1340	A	20000306	
JP 2003030189	A	20030131	JP 9958026	A	19990305	200319
JP 2003030190	A	20030131	JP 9962634	A	19990310	200319
JP 2003030191	A	20030131	JP 99191298	A	19990706	200319
TW 498230	A	20020811	TW 2000119251	A	20000919	200331

Priority Applications (No Type Date): JP 99191298 A 19990706; JP 9958026 A 19990305; JP 9962634 A 19990310

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200055765 A1 J G06F-017/30

Designated States (National): CN JP KR US

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

JP 2000605923 X G06F-017/30 Based on patent WO 200055765

JP 2003030189 A 5 G06F-017/30

JP 2003030190 A 4 G06F-017/30

JP 2003030191 A 4 G06F-017/30

TW 498230 A G06F-017/30

Abstract (Basic): WO 200055765 A1

NOVELTY - A method for sorting/ searching /abstracting documents in various fields comprising subjecting existing documents to word separation and analysis, dividing the words into groups of words having high degree of relationship, the degree of correlation, and the frequency of appearance, extracting the classification representing the feature of each group, imparting the classification to the words in each group, and recording the words with classification in a word dictionary, creating a text of a newly stored document, subjecting the text to word separation and analysis by using the word dictionary, identifying the classification by word analysis, imparting the classification to the word or words extracted, and records the document as knowledge data, selecting words belonging to the same group including the inputted word or the word extracted, and searching the stored document to create an abstract.

USE - None given.

pp; 0 DwgNo 0/0

Title Terms: METHOD; SORT; SEARCH ; ABSTRACT; DOCUMENT

Derwent Class: T01

International Patent Class (Main): G06F-017/30

International Patent Class (Additional): G06F-019/00

File Segment: EPI

13/5/16 (Item 11 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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012954287 **Image available**
WPI Acc No: 2000-126137/200011
Related WPI Acc No: 1999-154021; 2000-627613; 2001-449861
XRPX Acc No: N00-095089

Database organizing method for internet

Patent Assignee: CULLISS G.(CULL-I)
Inventor: CULLISS G
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6014665	A	20000111	US 97904795	A	19970801	200011 B
			US 97960140	A	19971029	

Priority Applications (No Type Date): US 97960140 A 19971029; US 97904795 A 19970801

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6014665	A	16	G06F-017/30	CIP of application US 97904795	

Abstract (Basic): US 6014665 A

NOVELTY - An index for storing specific key terms corresponding to each term group is set when a primary search query is received. The key terms matched with index and other groups are stored. Then, the index value is altered relative to matching result. When a secondary search query is output, the index is checked for key terms groupings defined by the users.

DETAILED DESCRIPTION - After checking index for key terms, the key terms matching with close relation with the other key term groups is set. When the search query is completed, the index is altered that the key term matching score for the key term grouping is altered relative to other key term matching scores. The key term matching scores are divided by their respective key term matching scores for some of the key term groupings containing the primary key term to create a key term matching probability score for the respective key term groupings.

USE - To organize various database used in the internet.

ADVANTAGE - Narrows down the searched results made available to the user, by monitoring searching activity of large number of internet users through an evolutionary process.

DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram of the operational steps to organize articles used in searching on the internet.

pp; 16 DwgNo 1/1

Title Terms: DATABASE; ORGANISE; METHOD
Derwent Class: T01
International Patent Class (Main): G06F-017/30
File Segment: EPI

13/5/20 (Item 15 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

011245454 **Image available**
WPI Acc No: 1997-223357/199720
XRPX Acc No: N97-184789

Data recording sheet manufacturing method for data retrieval in library
using computer - by expanding title and registration code of document
with common keyword through display portion to provide new recording line
at feed direction of recording sheet

Patent Assignee: IIDA T (IIDA-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9069108	A	19970311	JP 9590224	A	19950323	199720 B

Priority Applications (No Type Date): JP 9590224 A 19950323

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9069108	A		11	G06F-017/30	

Abstract (Basic): JP 9069108 A

The method involves assigning a registration code (1) used in distinguishing a document from other document. A document title (2) and one keyword are extracted. The registration code, document title, and keyword are provided as one record. A document file is produced by extracting and recording several **identical** records from several **documents**. The **keyword** is extracted to prevent overlapping of keywords from the document file. The **keywords** are sequentially **arranged** and changed to produced a **keyword** file. The title and the registration code for document are expanded in the line direction of a recording sheet. The recorded data on the recording sheet is provided as a display portion (6) corresponding to one keyword of the document.

The new line for the display portion of the document with one keyword, is provided for every document and recorded in the feed direction of the recording sheet. A keyword block (7) records one **keyword** at a display portion **group** head. The **keyword** block is recorded on the recording sheet based on the **keyword arrangement** in the **keyword** file.

ADVANTAGE - Enables simple data **search** from data recording sheet without using special apparatus, thus reducing manufacturing cost.

Dwg.3/8

Title Terms: DATA; RECORD; SHEET; MANUFACTURE; METHOD; DATA; **RETRIEVAL** ;
LIBRARY; COMPUTER; EXPAND; TITLE; REGISTER; CODE; DOCUMENT; COMMON;
KEYWORD; THROUGH; DISPLAY; PORTION; NEW; RECORD; LINE; FEED; DIRECTION;
RECORD; SHEET

Derwent Class: T01

International Patent Class (Main): **G06F-017/30**

International Patent Class (Additional): **G06F-012/00**

File Segment: EPI

13/5/27 (Item 22 file: 350)
DIALOG(R) File 350:Derwent WPIX
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007790605 **Image available**
WPI Acc No: 1989-055717/198908
XRPX Acc No: N89-042433

Computer system operating method for storing and retrieving data -
creating signature file divided into subsets, mapping word signature
to particular subset and storing subsets on storage device

Patent Assignee: BURKOWSKI F J (BURK-I)

Inventor: KREBS M S

Number of Countries: 007 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 304302	A	19890222	EP 88307650	A	19880818	198908 B
US 4991087	A	19910205	US 88233601	A	19880818	199108
CA 1291574	C	19911029				199151

Priority Applications (No Type Date): GB 8719572 A 19870819

Cited Patents: 3.Jnl.Ref; A3...9124; No-SR.Pub; US 4183464

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 304302	A	E	11		

Designated States (Regional): DE FR GB IT NL

Abstract (Basic): EP 304302 A

The method includes the steps of storing the database on the data storage device, creating for the database a signature file which is **divided** into subsets, mapping a **word** signature to a particular subset during creation of the file and storing the signature file subsets on the data storage device. Then, scanning for a word signature and retrieving the corresponding data from the data base in response to a **query keyword** by using the **same** information that was used to store the word signature in a particular subset.

During the creation of the signature file for a particular document, all common words are ignored, a logical word signature is computed for each remaining word and, if logical word signatures are computed as hash values, any duplicate logical word signatures are eliminated.

ADVANTAGE - Requires only single probe into signature file.

2/2

Title Terms: COMPUTER; SYSTEM; OPERATE; METHOD; STORAGE; **RETRIEVAL** ; DATA;
SIGNATURE; FILE; DIVIDE; SUBSET; MAP; WORD; SIGNATURE; SUBSET; STORAGE;
SUBSET; STORAGE; DEVICE

Derwent Class: T01

International Patent Class (Additional): G06F-015/40

File Segment: EPI

13/5/28 (Item 23 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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007541639 **Image available**
WPI Acc No: 1988-175571/198825
XRPX Acc No: N88-134184

Computerised information retrieval method for processing text -
searching text for keywords similar to users search request,
selecting texts from data base

Patent Assignee: TNET INC (TNET-N); KLEINBERGER P J (KLEI-I)

Inventor: SEAY N J

Number of Countries: 018 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8804454	A	19880616	WO 87US1314	A	19871127	198825 B
AU 8810451	A	19880630				198838
DK 8804343	A	19881003				198904
EP 334888	A	19891004	EP 88900194	A	19861202	198940
US 4972349	A	19901120	US 89393838	A	19890814	199049
CA 1276728	C	19901120				199101
US 5062074	A	19911029	US 90575046	A	19900830	199146
IL 84706	A	19921115	IL 84706	A	19871203	199250

Priority Applications (No Type Date): US 86938163 A 19861204; US 89393838 A
19890814; US 90575046 A 19900830

Cited Patents: No-SR.Pub

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 8804454 A E 68

Designated States (National): AU DK FI JP NL

Designated States (Regional): AT BE CH DE FR GB IT LU NL SE

EP 334888 A E

Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

IL 84706 A G06F-015/40

Abstract (Basic): WO 8804454 A

The information retrieval method comprises the steps of defining as a 'criterion key' that key-word which among all the keywords associated with any of the **texts** in the first group of **texts**, is associated with the largest number of **texts** within the first group. The first group is separated into 2 sub-groups, the first sub-group of **texts** having the criterion key as one of its **keywords** and the second sub-group not including the criterion key.

Results obtained from the above steps are then displayed. The above process is applied recursively to at least one of the two sub-groups.

ADVANTAGE - Distinguishes between **text** areas having sense words but different meanings.

2/16

Title Terms: COMPUTER; INFORMATION; **RETRIEVAL** ; METHOD; PROCESS; **TEXT** ;
SEARCH ; **TEXT** ; KEYWORD; SIMILAR; USER; **SEARCH** ; REQUEST; SELECT; **TEXT**
; DATA; BASE

Derwent Class: T01

International Patent Class (Main): **G06F-015/40**

File Segment: EPI

13/5/30 (Item 25 fr. file: 350)
DIALOG(R) File 350:Derwent WPIX
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003600238

WPI Acc No: 1983-E8435K/198315

XRPX Acc No: N83-063184

Processor for locating representations in stored textual data base -
determines equivalent words for each query and processes
identifiers in corresponding groups to form score for block

Patent Assignee: SYSTEM DEV CORP (SYST-N)

Inventor: DICKINSON R V; GALIE L M

Number of Countries: 009 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 75903	A	19830406				198315 B
WO 8301328	A	19830414				198316
JP 58501525	W	19830908				198342
US 4495566	A	19850122	US 81307093	A	19810930	198506

Priority Applications (No Type Date): US 81307093 A 19810930

Cited Patents: 3.Jnl.Ref; A3...8516; No-SR.Pub; US 4270182

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 75903	A	E	92		

Designated States (Regional): BE DE FR GB IT LU NL

WO 8301328	A	E
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Designated States (National): JP

Abstract (Basic): EP 75903 A

The appts. uses a digital data processor and stored representations of a table of **textual** block identifiers for **locating** in a data base those blocks having the best match with a **query**. The representations of **textual** block identifiers are selectable from the table in groups, each **group** corresponding to a different **word**. Each **textual** block identifier provides an indication of a block containing the corresponding word.

A **query** word is received having representations of words to be **located**. For each **query** word, a corresponding set of **equivalent words** are determined and representations of the block identifiers in those **groups** corresponding to the **equivalent words** are processed to form a score for at least one block. The score provides an indication of the total number of the sets having at least one **equivalent word** in the block.

Title Terms: PROCESSOR; **LOCATE**; REPRESENT; STORAGE; **TEXT**; DATA; BASE; DETERMINE; EQUIVALENT; WORD; **QUERY**; PROCESS; IDENTIFY; CORRESPOND; GROUP; FORM; SCORE; BLOCK

Derwent Class: T01

International Patent Class (Additional): G06F-007/28 ; G06F-013/00 ; G06F-015/40

File Segment: EPI

DIALOG(R) File 347:JAPIO
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05513602 **Image available**
DOCUMENT SIMILARITY CALCULATION DEVICE AND DOCUMENT SORTING DEVICE

PUB. NO.: 09-128402 [JP 9128402 A]
PUBLISHED: May 16, 1997 (19970516)
INVENTOR(s): OKA MAMIKO
APPLICANT(s): FUJI XEROX CO LTD [359761] (A Japanese Company or
 Corporation), JP (Japan)
APPL. NO.: 07-281918 [JP 95281918]
FILED: October 30, 1995 (19951030)
INTL CLASS: [6] G06F-017/30 ; G06F-017/27
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)

ABSTRACT

PROBLEM TO BE SOLVED: To provide a document similarity calculation device calculating the similarity of document data by reflecting the contents and the subject of information in it and a document sorting device sorting information based on the similarity.

SOLUTION: A subject-related expression extraction part 2 reads out a piece of document data from a document data storage part 1, morpheme-analyzes the **text** part of document data and extracts a related expression expressing plural words and phrases and the relation between them from the result of morpheme analysis. Among the extracted related expressions, ones consisting of the **same group** of independent **words** and provided with a consistent relation are collected to count frequency. A related expression expressing the subject of the piece of document data is selected in accordance with a prescribed reference based on the obtained frequency. The similarity calculation part 3 calculates the similarity of optional two pieces of document data based on the similarity of the subject-related expression extracted by the subject-related expression extraction part 2.

10/5/8 (Item 8 from le: 347)
DIALOG(R) File 347:JAPIO
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03515072 **Image available**
DATA BASE SYSTEM

PUB. NO.: 03-177972 [JP 3177972 A]
PUBLISHED: August 01, 1991 (19910801)
INVENTOR(s): ITOU EMIKO
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 01-319199 [JP 89319199]
FILED: December 07, 1989 (19891207)
INTL CLASS: [5] G06F-015/40
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)
JOURNAL: Section: P, Section No. 1270, Vol. 15, No. 430, Pg. 69,
October 31, 1991 (19911031)

ABSTRACT

PURPOSE: To obtain requested data with high probability by substituting and storing a word representing a word group for data to be registered, and also, substituting a representative word for the data inputted as **retrieval** information.

CONSTITUTION: The system is equipped with a standardization part 4 which substitutes(standardize) the representative word of the **word group** having the **same** meaning for character type data inputted from an input/output part 1 at need and delivers it to a data processing part 2, and a dictionary data base 5 which stores the data to be standardized at the standardization part 4, and when the data to be registered is standardized, the representative word is stored in a data storage part 3. It follows that the **retrieval** of the word that coincides with the representative word can be performed by performing the standardization similarly even when a **retrieval** condition is inputted, and that it coincides with the all the words that belong to the **same word group**; therefore, it is possible to retrieve the word by inputting a synonym if rough meaning is recognized even when no stored data itself is accurately recognized by a user.

10/5/14 (Item 2 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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014656008 **Image available**
WPI Acc No: 2002-476712/200251
XRPX Acc No: N02-376515

Information processor displays relationship of convergence of text group based on common keyword number

Patent Assignee: KONISHI K (KONI-I)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002149671	A	20020524	JP 2000346272	A	20001114	200251 B

Priority Applications (No Type Date): JP 2000346272 A 20001114

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002149671	A		10	G06F-017/30	

Abstract (Basic): JP 2002149671 A

NOVELTY - A processing unit detects number of keywords in a received information. A memory stores the keywords as a component of convergence of a **text group** with **identical keywords**. A detection unit detects the number of common keywords corresponding to total combination of the convergence. A display unit displays the relationship of the convergence based on the common keyword number.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Information processing method; and
- (2) Recorded medium storing information processing program.

USE - Information processor.

ADVANTAGE - Relationship of convergence of **text group** is displayed intelligibly.

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart illustrating operation of the information processor. (Drawing includes non-English language **text**).

pp; 10 DwgNo 7/12

Title Terms: INFORMATION; PROCESSOR; DISPLAY; RELATED; CONVERGE; **TEXT** ;
GROUP; BASED; COMMON; KEYWORD; NUMBER

Derwent Class: T01

International Patent Class (Main): **G06F-017/30**

File Segment: EPI

10/5/17 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012697853 **Image available**
WPI Acc No: 1999-503962/199942
XRPX Acc No: N99-376773

Information perusal support system in world wide web - uses keywords
specified by user, closely similar keywords being grouped in same
search space, for information retrieval

Patent Assignee: FUJITSU LTD (FUIT)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11219369	A	19990810	JP 9822115	A	19980203	199942 B

Priority Applications (No Type Date): JP 9822115 A 19980203

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11219369	A	11	G06F-017/30	

Abstract (Basic): JP 11219369 A

NOVELTY - User specified keywords are used for information
retrieval . Keywords that are closely similar are configured in the
same information search space (1031) and are displayed for selection.

USE - In searching for information using computers in world wide
web.

ADVANTAGE - The whole information is presented based on
relationship between their various modules, thus ensuring their smooth
perusal. DESCRIPTION OF DRAWING(S) - The figure shows the various
functional blocks of information perusal support system. (1031)
Information search space.

Dwg.1/13

Title Terms: INFORMATION; SUPPORT; SYSTEM; WORLD; WIDE; WEB; KEYWORD;
SPECIFIED; USER; CLOSELY; SIMILAR; KEYWORD; GROUP; SEARCH; SPACE;
INFORMATION; **RETRIEVAL**

Derwent Class: T01

International Patent Class (Main): G06F-017/30

International Patent Class (Additional): G06F-003/00

File Segment: EPI

10/5/19 (Item 7 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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011462335 **Image available**
WPI Acc No: 1997-440242/199741
XRPX Acc No: N97-366149

Document searching apparatus for searching document in database - has
keyword expansion unit which performs hierarchical expansion of search
string after extracting word from related word group according to set
expansion condition.

Patent Assignee: FUJI XEROX CO LTD (XERF)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9198396	A	19970731	JP 964859	A	19960116	199741 B

Priority Applications (No Type Date): JP 964859 A 19960116

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 9198396	A	14	G06F-017/30	

Abstract (Basic): JP 9198396 A

The apparatus has a setting unit (110) which sets an expansion condition based on the thesaurus expansion of a keyword input by an input unit (100). A keyword expansion unit (130) extracts a word from a related word group according to an extraction range which corresponds to the expansion condition for the related word group.

The related word group has the same hierarchical value as that of the related word group in which the keyword in a thesaurus dictionary belongs. The word is extracted according to the set expansion condition. The keyword expansion unit executes the hierarchical expansion of a search string.

ADVANTAGE - Improves document searching efficiency by reducing number of candidate documents. Enables hierarchical expansion of search string without generating fault. Improves document searching accuracy by reducing number of words which can not be used by user in search operation. Prevents reduction in rate of adaptation of predetermined document and search document during thesaurus expansion of input keyword.

Dwg.1/8

Title Terms: DOCUMENT; SEARCH; APPARATUS; SEARCH; DOCUMENT; DATABASE;
KEYWORD; EXPAND; UNIT; PERFORMANCE; HIERARCHY; EXPAND; SEARCH; STRING;
AFTER; EXTRACT; WORD; RELATED; WORD; GROUP; ACCORD; SET; EXPAND;
CONDITION

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

13/5/3 (Item 3 from le: 347)
DIALOG(R) File 347:JAPIO
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04342664 **Image available**
METHOD FOR PREPARING RETRIEVAL CONDITION EXPRESSION

PUB. NO.: 05-334364 [JP 5334364 A]
PUBLISHED: December 17, 1993 (19931217)
INVENTOR(s): KITAMURA TADAMORI
HAYAMIZU HARUO
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APPLICANT(s): NIPPON TELEGR & TELEPH CORP <NTT> [000422] (A Japanese
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APPL. NO.: 04-142917 [JP 92142917]
FILED: June 03, 1992 (19920603)
INTL CLASS: [5] G06F-015/40
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)
JOURNAL: Section: P, Section No. 1714, Vol. 18, No. 169, Pg. 165,
March 22, 1994 (19940322)

ABSTRACT

PURPOSE: To prepare the **retrieval** condition expression based upon the **retrieval** intention of an operator.

CONSTITUTION: The **retrieval** condition expression is inputted and it is decided whether or not there is plural common high-order **words** in key **word groups** connected in the **retrieval** condition expression under OR conditions by tracing a thesaurus file 50; when there are plural high-order words, the relation between the high-order word and a key word is displayed; and the operator specifies a high-order **word matching** the **retrieval** intention over a look at the display and adds the specified high-order word to the **retrieval** condition expression under AND conditions (steps 1-6). The thesaurus file 50 is **searched** for other low-order **word groups** belonging to the high-order **words** in the key **word groups** connected under the OR conditions and when those low-order **word groups** are not specified as key **words** in the **retrieval** condition expression, the low-order words are displayed; and the operator specifies the displayed low-order words as key words, which are added as key **words** to the key **word groups** connected in the **retrieval** condition expression under the OR conditions (steps 7-10).

13/5/5 (Item 5 from le: 347)
DIALOG(R) File 347:JAPIO
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03189776 **Image available**
KNOWLEDGE BASE RETRIEVING SYSTEM

PUB. NO.: 02-165276 [JP 2165276 A]
PUBLISHED: June 26, 1990 (19900626)
INVENTOR(s): FUJINO KAORU
TAKEUCHI YUKARI
IIZUKA FUMIYUKI
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 63-319516 [JP 88319516]
FILED: December 20, 1988 (19881220)
INTL CLASS: [5] G06F-015/40
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)
JOURNAL: Section: P, Section No. 1105, Vol. 14, No. 426, Pg. 39,
September 13, 1990 (19900913)

ABSTRACT

PURPOSE: To decrease the difference of the result of **retrieval** caused by a degree of skill of a user by constituting the a knowledge base retrieving system so that two kinds of **retrievals** of a regular keyword **retrieval** and a link **retrieval** can be executed.

CONSTITUTION: At the time of regular **keyword retrieval**, **keywords** in the **same group** as a **group** belonging to an input **keyword** in the inside of a thesaurus are all drawn out by a link **searching** means 3. Subsequently, by a data retrieving means 5, knowledge data having these **keyword groups** as a **keyword** is fetched from a knowledge base in each separate input keyboard. On the other hand, at the time of link **retrieval**, first of all, by a link **searching** means 3, a **retrieval** expression obtained by replacing a keyword of a **search** link destination determined in accordance with priority of an inter-**group** link and an input **keyword** with each other is generated, and based on the **retrieval** expression, knowledge data is fetched from a knowledge base 4 by the means 5. Also, the thesaurus can be corrected by a thesaurus constructing means 2.